

—

Comparison of human (HUM) and mouse (MUS) staufen sequences

		→ RED1	
HUM	MKLGKKKMYKFVDPYSRMQSTYNNMRGGAYPPRYFYFFVFPPLLYQVELSVGGQQFNGK	60	
		
MUS	MYKFVDPHSRMQSTYSYGMGGAYPPRYFYFFVFPPLLYQVELSVGGQQFNGK		
		RED1 ←	→ RED2
HUM	GKTRQAAKHDAAKALRILQNEPLPERLEVNGRESEEEENLNKSEISQVFEIALKRNLFPVN	120	
		
MUS	GKMRFPVKHDAPARALRTIQSEPLPERLEVNGREAEEENLNKSEISQVFEIALKRNLFPVN		
		RED2 ←	
HUM	FEVARES GPPHMKNFVTKVSVGEFVGE GEGSKKISKQNAAI AVL EELKKLPFLPAVERV	180	
		
MUS	FEVARES GPPHMKNFVTRVSVGEFVGE GEGSKKISKQNAARAVLEQLRRLPFLPAVERV		
		→ RED3	
HUM	KPRIKKKTKPIVKPQTSPEYGGGINPISRLAQIQQAKKEKEPEYTLTTERGLPRRREFVM	240	
		
MUS	KPRIKKKSQPTCK--TAPDYGGGNPISRLAQIQQAKKEKEPEYMLLTERGLPRRREFVM		
		RED3 ←	→ TED
HUM	QVKVGNETAEGTGTNKKVAKRNAAENMLEILGFKVPQRQPTKPALKSEECTPIKKPGDGR	300	
		
MUS	QVKVGHHTAEGVGTNKKVAKRNAAENMLEILGFKVPQAQPAKPALKSEECTPVKKPGDGR		
HUM	KVTFFDPGSGDENGTSNKEDFRMPYLSHQQLPAGILPMVPEVAQAVGVSGGHHTKDFTR	360	
		
MUS	KVTFFEPSPGDENGTSNKDEEFRMPYLSHQQLPAGILPMVPEVAQAVGVSGGHHTKDFTR		
		TED ←	
HUM	AAPNPAKATVTAMIARELLYGGTSPTAETILKNNISSGHVPHGPLTRPSEQLDYLSRVQG	420	
		
MUS	AAPNPAKATVTAMIARELLYGGTSPTAETILKNNISSGHVPHGPRTRPSEQLYYLSRAQG		
		→ RED4	RED4 ←
HUM	FQVEYKDFPKNNKNEFVSLINCSQPPLISHGIGKDVESCHDMAALNLIKLLSELDQOST	480	
		
MUS	FQVEYKDFPKNNKNECVSLINCSQPPLVSHGIGKDVESCHDMAALNLIKLLSELDQOST		
HUM	EMPRTGNGPMSVCGRC*	496	
		
MUS	EMPRTGNGFVSACGTC*		

FIGURE 1D

09316048-052199

698 >RED4
 DRO pxtkhllddtdadpithlclqqrtrkekepfeliahng...
 HUM -----GQCINPLERLAQIQOAKGKNSPEYTLATKGLP--SRREPVAVGVNCHTAZCTGTNRVAKRRAAEKLELILGFRVVGQPTTPALFGEKTPIFGQVQDGRKVTTFDPQS
 CEL -----ghqinprerliqvtekekeptfelvaahgus--kykefllqvtyvdkvqgtpntriahraaeaeleeslgfvzplpppgkellkkmdoatpulpelshetgppptav
 C PI V E K N P F V GP H K F F V VC G G SRK AK AA AL L
 L R Y L R M

810
 DRO vpmvstprvgpaggilllrqnkkpkhkrdqivivkxenvetkeeeantevsvaseenannnaneagdasnesagdsqetaseaeaalntatgentagvasneenvgantdgnnhaeaknntes
 HUM EDENGTBNKCEKESG-----YLSHQQLPAGILRPFVTEVAQVGVSGHHTKDTTRAAPNP-AKATVTAKIARELLYQOTSP---YAEITILKNN-----ISSGRVPHGLTRPS---
 CEL svalseepdtaseaqlspeqtldisekrelapdtekrtrvlfneqvhaapppgagypnsivqalkkdaiveqkrrlkrakenrraltaseqivaleaeagqylqtantliqesqaseah---
 C

938 >RED5
 DRO esnatentqagvthakeqllyleklldfevntadykgnhneflitvlethppqichgvtekeeeesqndasnaalkilsklglinnmk*
 HUM -----IQLDYLSRVCGQVEYTKDPTKNNKSVFELINCASQPLIERGIGKOVESCHDAALNILLKLSLELOQOSTENTPTFRICGSPKSVQERC*
 CEL -----hhleqlsedffsfelqytsfpqvvidqhfctivsiglaspvghgvgostbeedenaaldatahklaseakt*
 C G G SRK AK AA AL L

B)

290
 STAUTEN GFRVDPQPTTPALFGEKTPIFGQVQDGRKVTTFDPQSCDENGTENTWDETHLYPLSHQQLPAGILRPFVTEVAQVGVSGCHHTKDTTRAAPNPATKATVTA 329
 MAP1B KENKTKKPGCTTKKSSPVKGGDCGKPTLAESTPTACILKESSDNRVSRVSPGQULGVEKAAKPTTTTETVNAAGSEKPKCEITONAAUNASASEKANTATA 2337
 2247

FIGURE 1' (cont'd)

FIGURE 1' (cont'd)

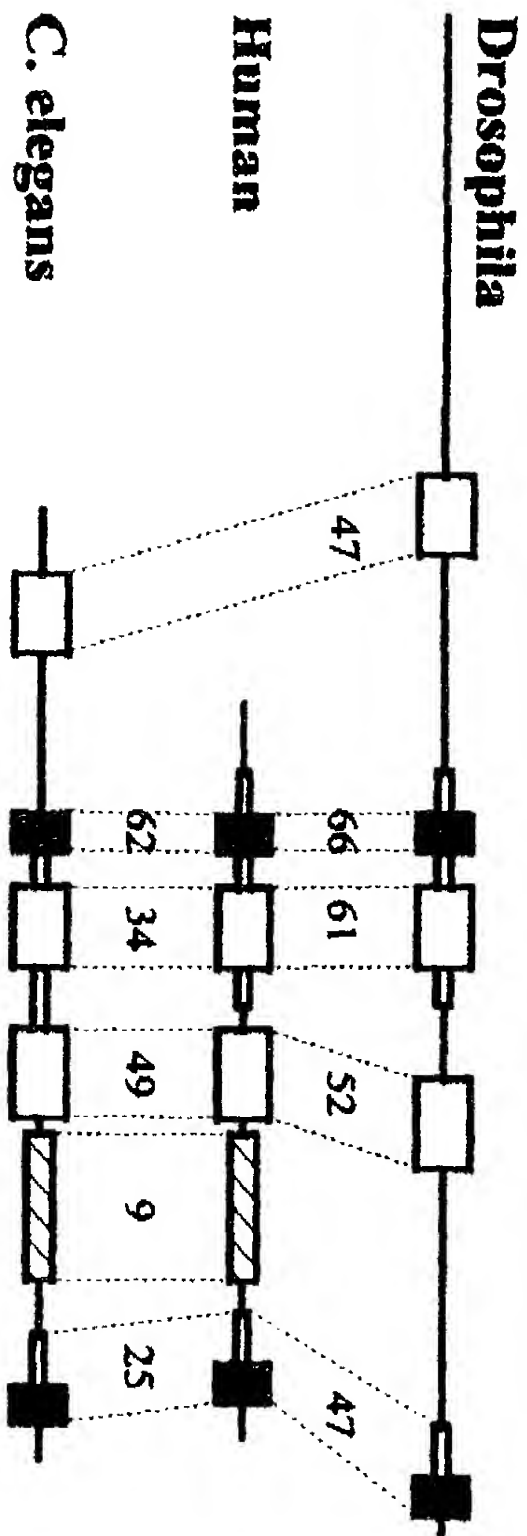
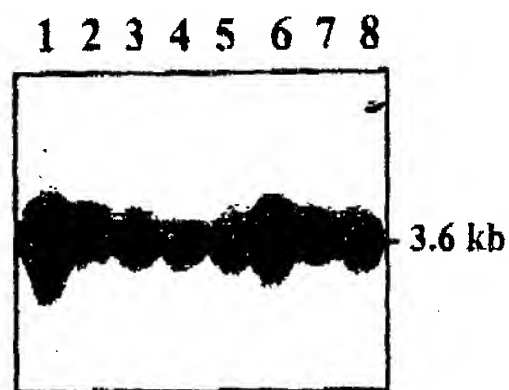
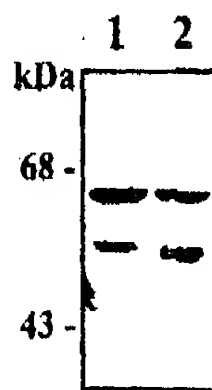


FIGURE 2

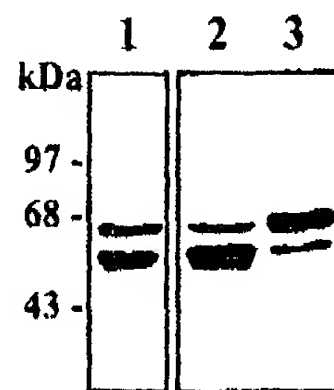
A



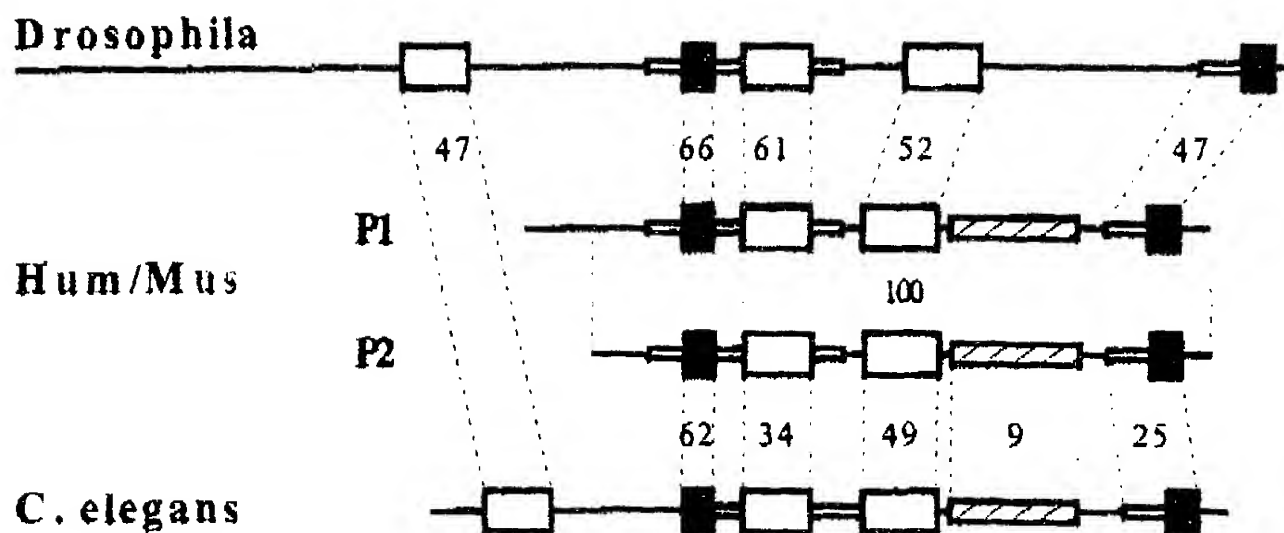
B



C



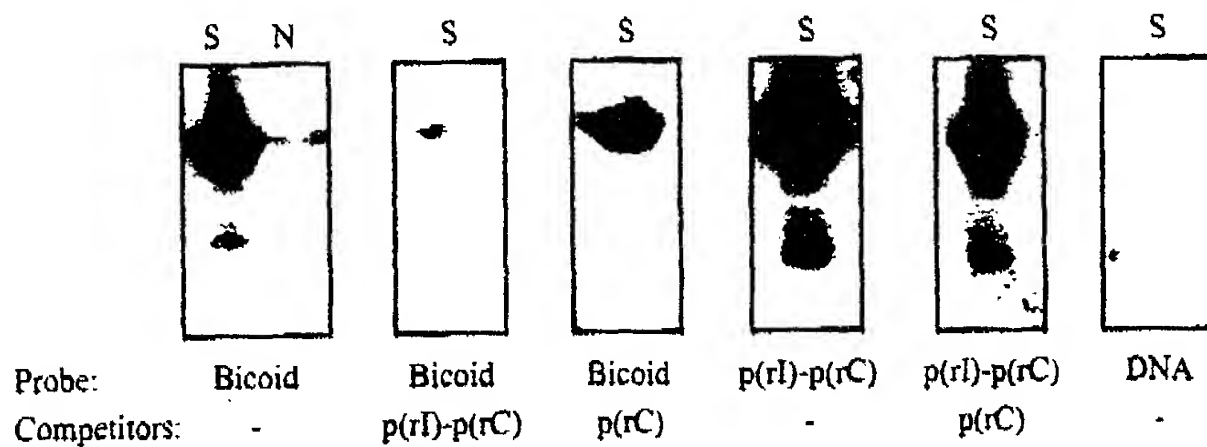
D



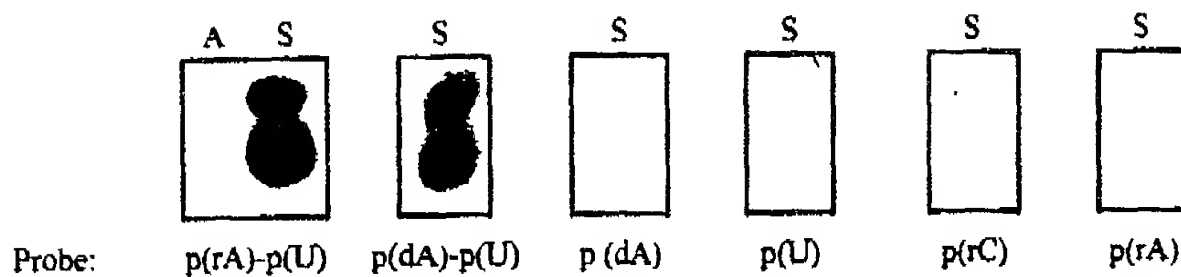
09316048-052199

FIGURE 3

A

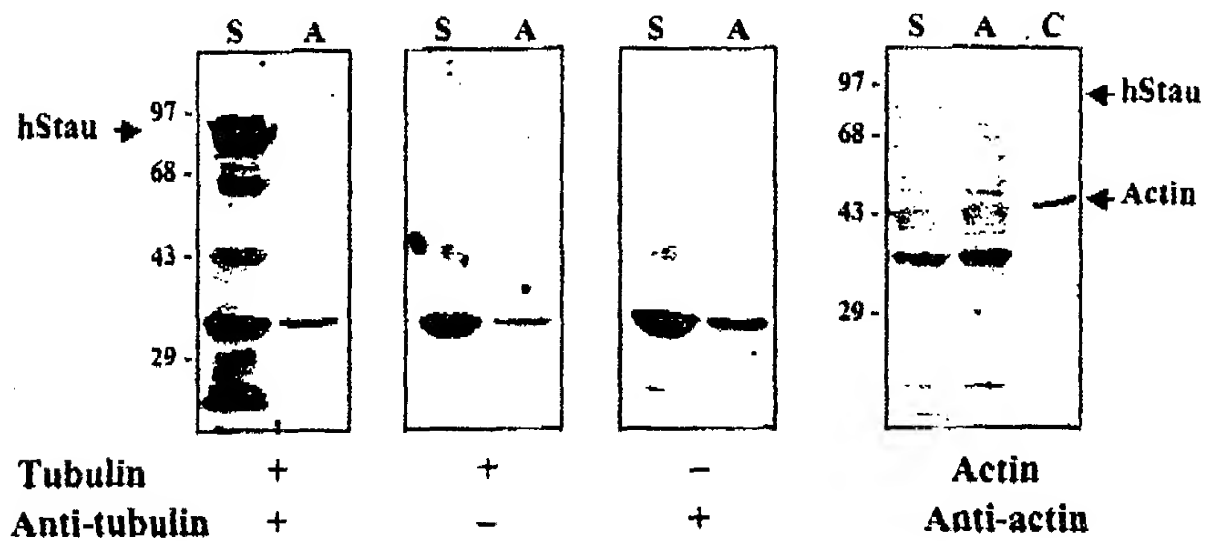


B



09316048-052109

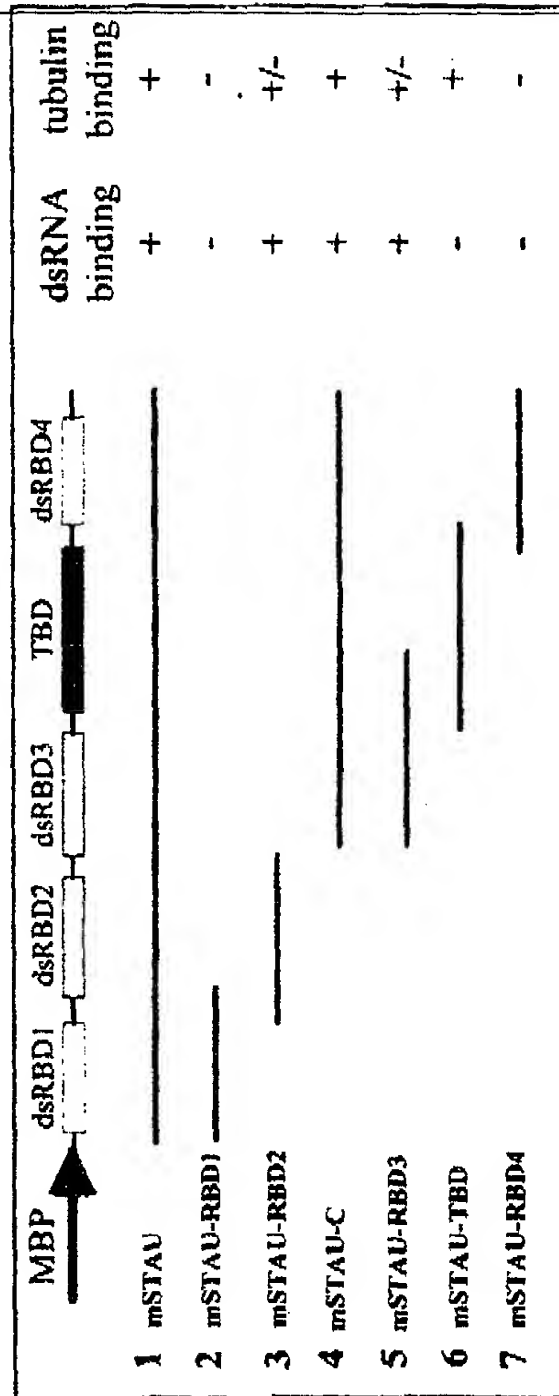
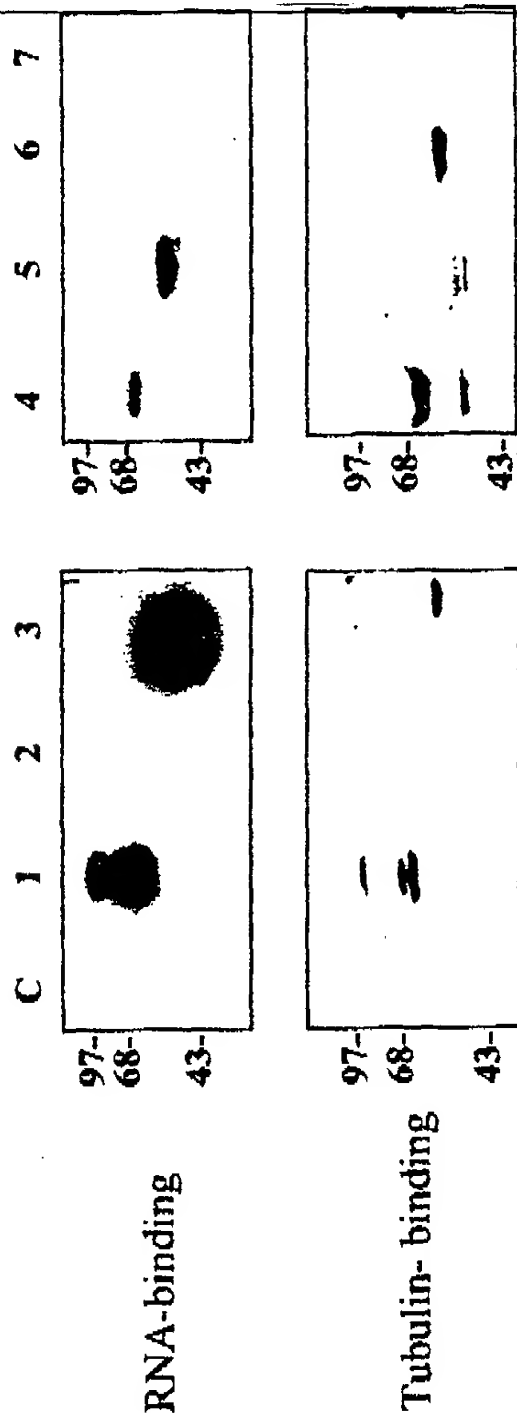
FIGURE 4



00315048 051950

FIGURE 5

66T250" BIOSTEF50



09316048-052109
66T250-8409TE60

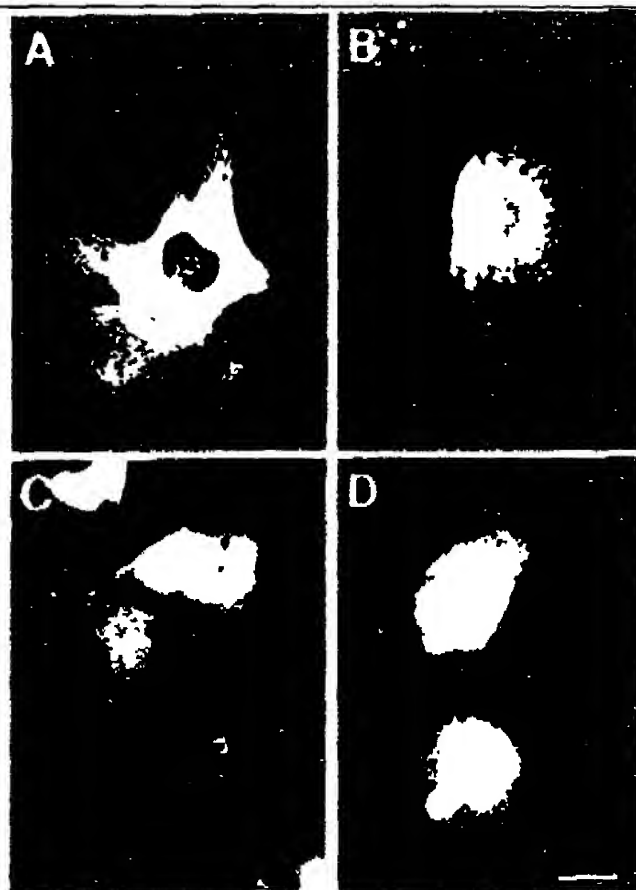
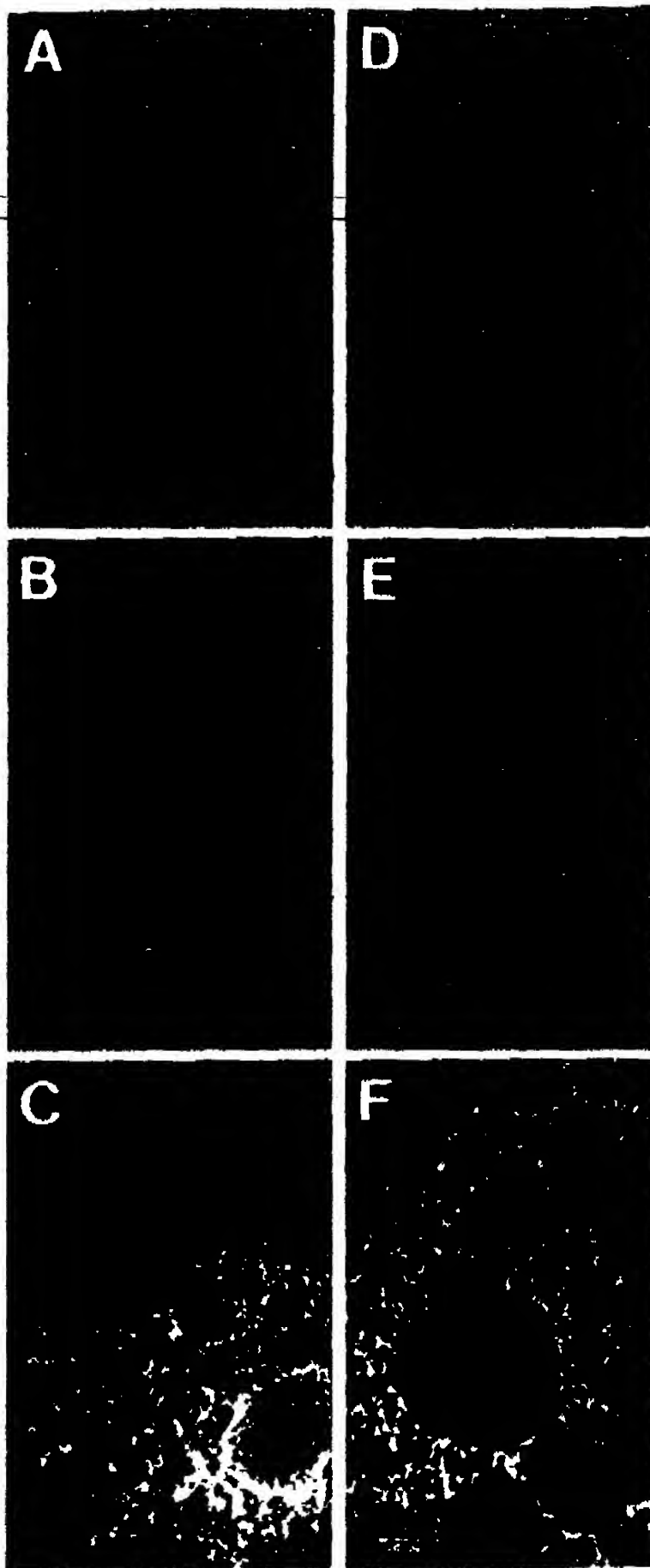
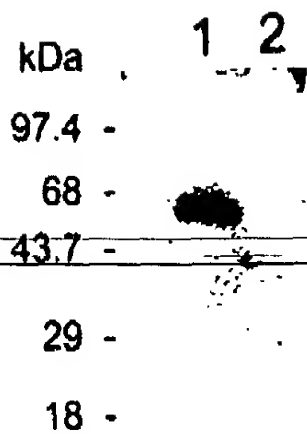


FIGURE 6

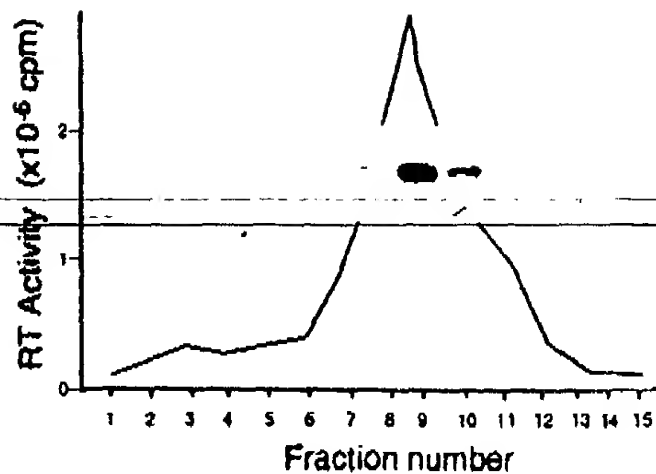
05316048 052199
66T250" 8409TE60



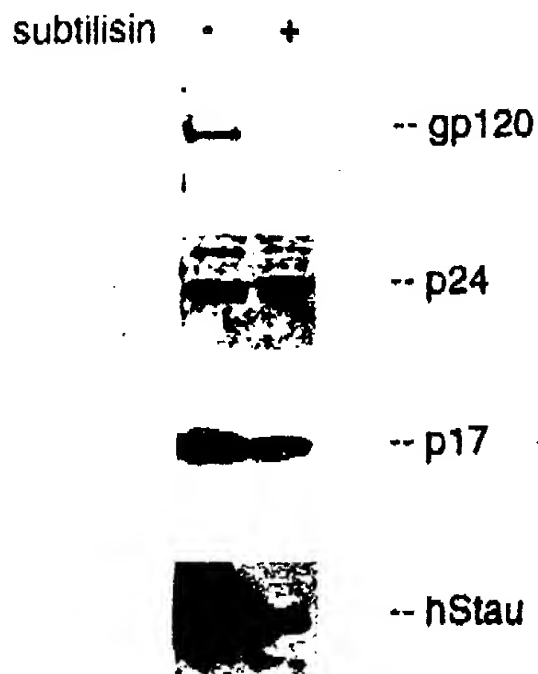
A



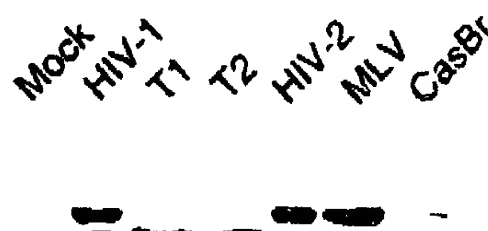
B



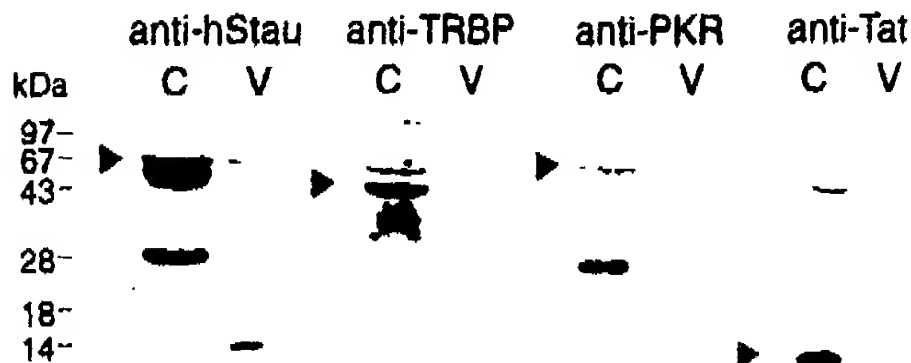
C



D



E



09316048-052199

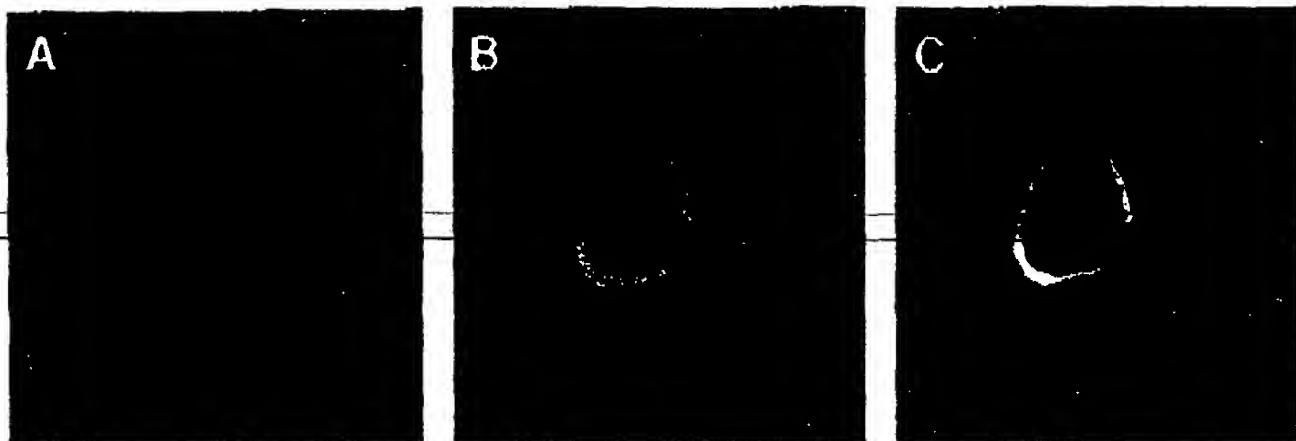
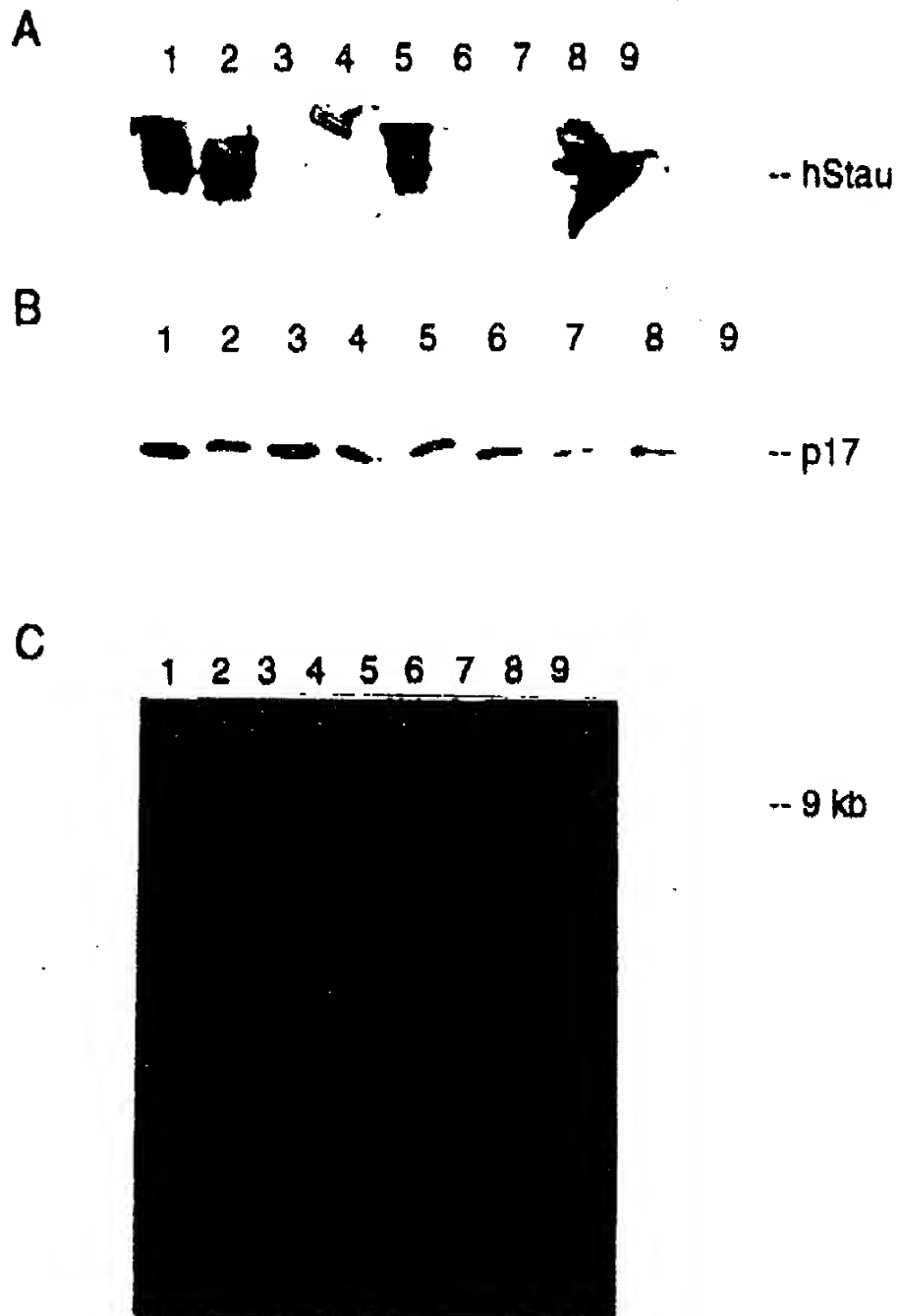


FIGURE 9

09315048-052199
66T250-8409T250

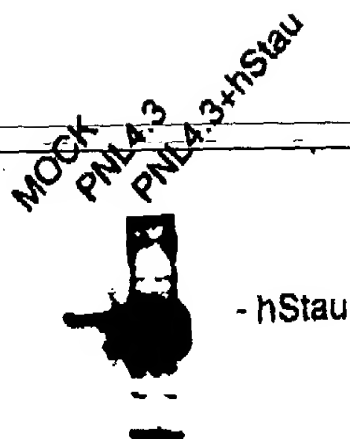
FIGURE 10



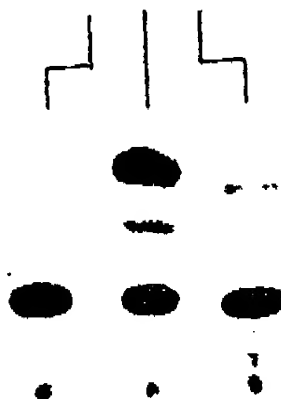
09316048-05199

FIGURE 11

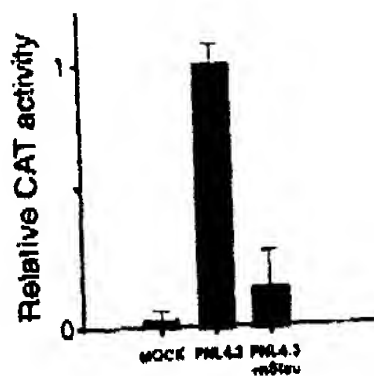
A



B



C



66T250" 8409TE60